10/26/87 A 8810-2

# RMA Industry Report

**CONFIDENTIAL**

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

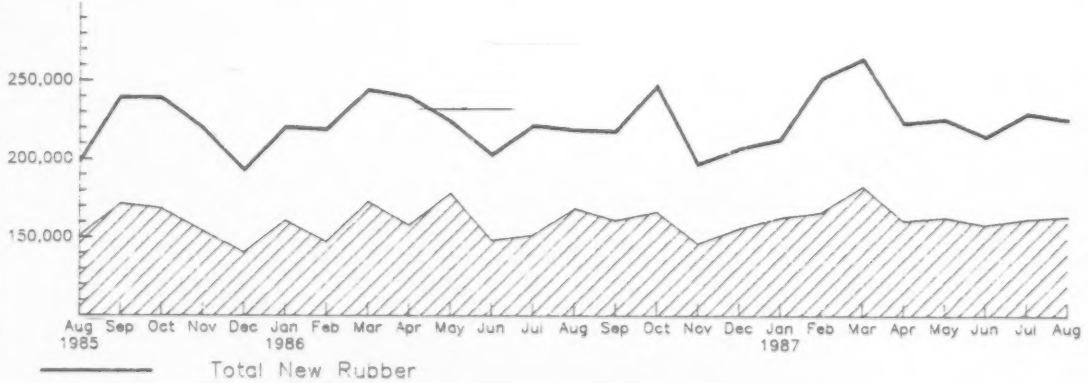
RUBBER CONSUMPTION
MONTHLY REPORT

RMA 2
AUGUST 1987

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly analysis of production, imports, exports, stocks, and apparent consumption of both natural and synthetic rubber. The procedures used by Management Information Services (MIS) of RMA to compile the data are reviewed annually by the RMA Rubber Statistical Committee which is made up of rubber industry representatives. The categories were selected to conform with the Standard Industrial Classifications (SIC) codes assigned by the the United States Department of Commerce, Bureau of the Census and are so annotated.

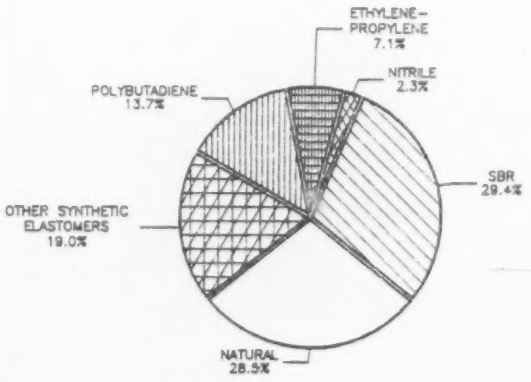
Total consumption for August 1987 is up +4.8% from August 1986, and synthetic consumption is up +5.0%. Please note that 1986 Natural Rubber Apparent Consumption figures include INRO Stocks of 2,392 metric tons for the year. 71.5% of all rubber consumed in 1986 was synthetic, of which almost half was SBR, as shown in the charts below.

## MONTHLY TOTAL RUBBER CONSUMPTION – NATURAL & SYNTHETIC


250,000
200,000
150,000
Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug
1985
1986
1987
Total New Rubber
Synthetic Rubber

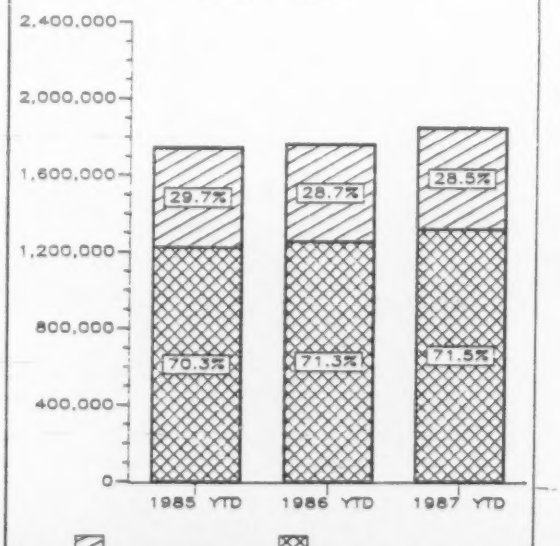
NOTE: NATURAL RUBBER CONSUMPTION IS THE VERTICAL DISTANCE BETWEEN THE CURVES
(Figures in Metric Tons)

## 1986 RUBBER CONSUMPTION BY TYPE




NOTE: POLYCHLOROPRENE INCLUDED IN OTHER CATEGORY

## YTD CONSUMPTION OF NEW RUBBER 1985 – 1987




(Figures in Metric Tons)

RMA # 2

RMA INDUSTRY RUBBER REPORT
(FIGURES ARE EXPRESSED IN METRIC TONS)



ISSUED - DATE: 10/21/87

MONTH: August 1987

| U.S. SIC CODE | | August 1987 | August 1986 | % CHANGE YEARLY | July 1987 | % CHANGE MONTHLY | CUMULATIVE 1987 | CUMULATIVE 1986 | % CHANGE 87 vs 86 |
|---|---|---|---|---|---|---|---|---|---|
| | TOTAL NEW RUBBER | | | | | | | | |
| | Beginning Stocks | 334,915 | 333,462 | .44 | 320,811 | 4.40 | | | |
| | New Rubber Available | 247,473 | 234,765 | 5.41 | 281,723 | -12.16 | 2,180,147 | 2,020,583 | 7.90 |
| | Imports | 83,328 | 64,298 | 29.60 | 95,534 | -12.78 | 742,838 | 693,346 | 7.14 |
| | Exports | 39,863 | 29,966 | 33.03 | 38,971 | 2.29 | 330,034 | 252,228 | 30.85 |
| | Apparent Consumption | 224,970 | 218,469 | 2.98 | 229,229 | -1.86 | 1,845,131 | 1,759,886 | 4.84 |
| | Ending Stocks | 317,555 | 319,791 | -.70 | 334,335 | -5.02 | | | |
| | TOTAL NATURAL RUBBER | | | | | | | | |
| | Beginning Stocks | 82,473 | 94,228 | -12.48 | 78,997 | 4.40 | | | |
| 08490 11 | Imports | 58,857 | 45,184 | 30.26 | 73,309 | -19.71 | 551,684 | 521,066 | 5.88 |
| + | Exports | 2,916 | 3,099 | -5.91 | 2,483 | 17.44 | 23,283 | 25,937 | -10.23 |
| 08490 13 | Stock Pile Deliveries | | | | | | | | |
| | Apparent Consumption | 61,406 | 49,925 | 23.00 | 67,350 | -8.83 | 526,582 | 504,237 | 4.43 |
| | % Total New Rubber | 27.29 | 22.85 | | 29.38 | | 28.53 | 28.65 | |
| | Ending Stocks | 77,008 | 86,388 | -10.86 | 82,473 | -6.63 | | | |
| 08490 11 | NATURAL RUBBER DRY | | | | | | | | |
| | Beginning Stocks | 76,529 | 88,355 | -13.38 | 73,122 | 4.66 | | | |
| | Imports | 52,478 | 40,623 | 29.18 | 67,184 | -21.89 | 504,848 | 472,235 | 6.91 |
| | Exports | 2,316 | 2,483 | -6.73 | 1,928 | 20.12 | 16,744 | 21,040 | -20.42 |
| | Stock Pile Deliveries | | | | | | | | |
| | Apparent Consumption | 56,241 | 45,326 | 24.08 | 61,849 | -9.07 | 485,818 | 460,492 | 5.50 |
| | Ending Stocks | 70,450 | 81,169 | -13.21 | 76,529 | -7.94 | | | |
| 08490 13 | NATURAL RUBBER LATEX | | | | | | | | |
| | Beginning Stocks | 5,944 | 5,873 | 1.21 | 5,875 | 1.17 | | | |
| | Imports | 6,379 | 4,561 | 39.86 | 6,125 | 4.15 | 46,836 | 48,831 | -4.09 |
| | Exports | 600 | 616 | -2.60 | 555 | 8.11 | 6,539 | 4,897 | 33.53 |
| | Stock Pile Deliveries | | | | | | | | |
| | Apparent Consumption | 5,165 | 4,599 | 12.31 | 5,501 | -6.11 | 40,764 | 43,744 | -6.81 |
| | Ending Stocks | 6,558 | 5,219 | 25.66 | 5,944 | 10.33 | | | |
| | TOTAL SYNTHETIC RUBBER | | | | | | | | |
| | Beginning Stocks | 252,442 | 239,233 | 5.52 | 241,814 | 4.40 | | | |
| | Production | 164,145 | 170,467 | -3.71 | 186,189 | -11.84 | 1,437,309 | 1,327,237 | 8.29 |
| | Imports | 24,471 | 19,114 | 28.03 | 22,225 | 10.11 | 191,154 | 172,280 | 10.96 |
| | Exports | 36,947 | 26,867 | 37.52 | 36,488 | 1.26 | 306,751 | 226,291 | 35.56 |
| | Apparent Consumption | 163,564 | 168,544 | -2.95 | 161,879 | 1.04 | 1,318,549 | 1,255,649 | 5.01 |
| | % Total New Rubber | 72.70 | 77.14 | | 70.61 | | 71.46 | 71.34 | |
| | Ending Stocks | 240,547 | 233,403 | 3.06 | 251,861 | -4.49 | | | |
| | TOTAL SBR | | | | | | | | |
| | Beginning Stocks | 100,978 | 96,350 | 4.80 | 95,780 | 5.43 | | | |
| 28220 11 + | Production | 69,251 | 65,924 | 5.05 | 67,963 | 1.90 | 559,147 | 507,762 | 10.12 |
| 28220 12 | Imports | 6,644 | 6,688 | -.66 | 6,522 | 1.87 | 54,455 | 68,057 | -19.99 |
| | Exports | 12,219 | 7,144 | 71.04 | 10,267 | 19.01 | 111,925 | 63,405 | 76.52 |
| | Apparent Consumption | 64,742 | 69,541 | -6.90 | 59,646 | 8.54 | 503,895 | 515,261 | -2.21 |
| | Ending Stocks | 99,912 | 92,277 | 8.27 | 100,352 | -.44 | | | |
| 28220 11 | SBR Dry | | | | | | | | |
| | Beginning Stocks | 95,547 | 91,850 | 4.03 | 92,302 | 3.52 | | | |
| | Production | 65,375 | 61,924 | 5.57 | 63,444 | 3.04 | 530,065 | 480,114 | 10.40 |
| | Imports | 4,468 | 4,156 | 7.51 | 4,115 | 8.58 | 35,613 | 49,907 | -28.64 |
| | Exports | 9,541 | 4,779 | 99.64 | 8,749 | 9.05 | 93,276 | 48,498 | 92.33 |
| | Apparent Consumption | 60,614 | 65,414 | -7.34 | 55,565 | 9.09 | 474,816 | 484,962 | -2.09 |
| | Ending Stocks | 95,235 | 87,737 | 8.55 | 95,547 | -.33 | | | |
| 28220 12 | SBR LATEX | | | | | | | | |
| | Beginning Stocks | 5,430 | 4,500 | 20.67 | 3,478 | 56.12 | | | |
| | Production | 3,876 | 4,000 | -3.10 | 4,519 | -14.23 | 29,082 | 27,648 | 5.19 |
| | Imports | 2,176 | 2,532 | -14.06 | 2,407 | -9.60 | 18,842 | 18,150 | 3.81 |
| | Exports | 2,678 | 2,365 | 13.23 | 1,518 | 76.42 | 18,649 | 14,907 | 25.10 |
| | Apparent Consumption | 4,127 | 4,128 | -.02 | 4,082 | 1.10 | 29,081 | 30,300 | -4.02 |
| | Ending Stocks | 4,677 | 4,539 | 3.04 | 4,804 | -2.64 | | | |

RMA # 2

RMA INDUSTRY RUBBER REPORT
(FIGURES ARE EXPRESSED IN METRIC TONS)



ISSUED - DATE: 10/21/87

MONTH: August 1987

| U.S. SIC CODE | | August 1987 | August 1986 | % CHANGE YEARLY | July 1987 | % CHANGE MONTHLY | CUMULATIVE 1987 | CUMULATIVE 1986 | % CHANGE 87 vs 86 |
|---|---|---|---|---|---|---|---|---|---|
| | TOTAL NITRILE | | | | | | | | |
| | Beginning Stocks | 14,531 | 15,535 | -6.46 | 14,572 | -.28 | | | |
| 28220 41 + | Production | 3,719 | 3,542 | 5.00 | 4,373 | -14.96 | 43,824 | 40,948 | 7.02 |
| 28220 42 | Imports | 1,767 | 1,206 | 46.52 | 1,065 | 65.92 | 10,278 | 8,107 | 26.78 |
| | Exports | 1,083 | 1,285 | -15.72 | 968 | 11.88 | 9,044 | 7,800 | 15.95 |
| | Apparent Consumption | 5,787 | 4,827 | 19.89 | 4,511 | 28.29 | 43,933 | 40,979 | 7.21 |
| | Ending Stocks | 13,147 | 14,171 | -7.23 | 14,531 | -9.52 | | | |
| 28220 50 | POLYBUTADIENE | | | | | | | | |
| | Beginning Stocks | 40,220 | 43,895 | -8.37 | 39,127 | 2.79 | | | |
| | Production | 23,553 | 28,208 | -16.50 | 31,601 | -25.47 | 240,881 | 230,244 | 4.62 |
| | Imports | 6,139 | 5,421 | 13.24 | 6,944 | -11.59 | 57,743 | 36,280 | 59.16 |
| | Exports | 4,236 | 1,673 | 153.20 | 4,959 | -14.58 | 41,967 | 14,116 | 197.30 |
| | Apparent Consumption | 30,065 | 32,419 | -7.26 | 32,493 | -7.47 | 258,652 | 237,788 | 8.77 |
| | Ending Stocks | 35,611 | 43,432 | -18.01 | 40,220 | -11.46 | | | |
| 28220 57 | ETHYLENE-PROPYLENE | | | | | | | | |
| | Beginning Stocks | 53,196 | 47,694 | 11.54 | 51,733 | 2.83 | | | |
| | Production | 18,375 | 20,476 | -10.26 | 20,282 | -9.40 | 167,720 | 158,120 | 6.07 |
| | Imports | 428 | 216 | 98.15 | 551 | -22.32 | 4,014 | 3,072 | 30.66 |
| | Exports | 3,611 | 3,567 | 1.23 | 3,660 | -1.34 | 31,152 | 31,107 | .14 |
| | Apparent Consumption | 17,332 | 17,024 | 1.81 | 15,665 | 10.64 | 135,192 | 126,129 | 7.19 |
| | Ending Stocks | 51,056 | 47,795 | 6.82 | 53,241 | -4.10 | | | |
| | BUTYL, POLYISOPRENE, POLYCHLOROPRENE, SILICONE AND OTHER SYNTHETIC ELASTOMERS | | | | | | | | |
| 28220 45 + | Beginning Stocks | 43,519 | 35,758 | 21.70 | 40,602 | 7.18 | | | |
| 28220 60 + | Production | 49,247 | 52,316 | -5.87 | 61,971 | -20.53 | 425,736 | 390,162 | 9.12 |
| 28220 72 | Imports | 9,493 | 5,583 | 70.03 | 7,143 | 32.90 | 64,664 | 56,764 | 13.92 |
| | Exports | 15,798 | 13,198 | 19.70 | 16,634 | -5.03 | 112,663 | 109,863 | 2.55 |
| | Apparent Consumption | 45,640 | 44,731 | 2.03 | 49,563 | -7.92 | 376,877 | 335,491 | 12.34 |
| | Ending Stocks | 40,821 | 35,728 | 14.25 | 43,519 | -6.20 | | | |
| Included in 28220 45 | Butyl | | | | | | | | |
| | Imports | 6,199 | 3,399 | 82.38 | 3,667 | 69.05 | 31,889 | 37,635 | -15.27 |
| | Exports | | | | | | 210 | | |
| Included in 28220 45 | Polyisoprene | | | | | | | | |
| | Imports | 436 | 43 | 913.95 | 588 | -25.85 | 8,304 | 2,689 | 208.81 |
| | Exports | 689 | 316 | 118.04 | 955 | -27.85 | 5,213 | 2,943 | 77.13 |
| Included in 28220 45 | Polychloroprene | | | | | | | | |
| | Imports | 351 | 443 | -20.77 | 419 | -16.23 | 4,973 | 3,192 | 55.80 |
| | Exports | 4,150 | 4,060 | 2.22 | 3,937 | 5.41 | 30,990 | 31,785 | -2.50 |
| | IMPORTS OF | | | | | | | | |
| | GUTTA BALATA | 54 | | 400.00 | | 400.00 | 54 | | 400.00 |
| | GUTTA PARCHA | 919 | 756 | 21.56 | 1,314 | -30.06 | 12,077 | 3,618 | 233.80 |
| | JELUTONG | 121 | 250 | -51.60 | 120 | .83 | 990 | 984 | .61 |

* Natural Rubber Apparent Consumption figures include INRO Stocks, For your purposes:

Latest INRO STOCK figures available to RMA indicate 2,392 as of June .

# RUBBER MANUFACTURERS ASSOCIATION INDUSTRY RUBBER REPORT

This report relies upon a panel composed of approximately seventy-five (75) companies. The monthly consumption data reported by these companies is combined with data from the RMA 7 "Synthetic Rubber Producers Report", RMA 200 "Importers Shipments of Natural Rubber Latex Report", and RMA 201 "Natural Rubber Dealers Shipments Report". It is the feeling of the RMA Rubber Statistical Committee that this manner of data collection represents a valid sampling for statistical purposes.

The report presents the following categories for selected rubber types:

BEGINNING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report. Beginning stock figures may differ from prior month closing stocks due to inventory adjustments.

PRODUCTION: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report.

IMPORTS: RMA import figures are based upon Tariff Schedules of the United States Annotated (TSUSA) numbers:

Natural Rubber Dry data monitored by RMA are TSUSA Numbers: 446.0544, 446.0548, 446.0552, 446.0556, 446.0560, 446.0564, 446.0568, 446.0572, 446.0576, 446.0580 and 446.0584. The Natural Rubber Latex TSUSA Number monitored by RMA is 446.0540 with Gutta balata, Gutta-percha, and Jelutong or pontianak derived from TSUSA Numbers 446.0510, 446.0520 and 446.0530.

RMA natural rubber import numbers do not contain TSUSA Numbers: 446.1000 (Natural rubber containing filler, etc.) and 446.1200 (Chlorinated natural rubber).

Synthetic Rubber TSUSA Numbers monitored by RMA are: 446.1539, 446.1571, 446.1576 and 446.1597 (SBR Dry); 446.1535 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-propylene); 446.1521 (Polychloroprene); and 446.1533 and 446.1557 (Elastomers).

RMA synthetic rubber import numbers do not contain the following TSUSA Numbers: 446.1544 (Styrene-butadiene containing over 50% styrene); 446.1580 (Silicone); 446.2000 (Reclaimed rubber of all kinds); and 446.3000 (Mixtures of any of the foregoing).

EXPORTS: RMA export figures are based upon the following United States Schedule B Numbers:

Natural Rubber (Dry) export number is 446.0515 and 446.0505 for Natural Rubber (Latex). RMA natural rubber export numbers do not contain Schedule B Numbers 446.1000 and 446.1200.

Synthetic rubber export Schedule B Numbers monitored by RMA are as follows: 446.1541, 446.1571, and 446.1576 (SBR Dry); 446.1536 (SBR Latex); 446.1516 (Polybutadiene); 446.1506 (Butyl); 446.1511 (Nitrile); 446.1531 (Polyisoprene); 446.1526 (Ethylene-propylene); 446.1521 (Polychloroprene); and 446.1547 and 446.1561 (Elastomers).

RMA synthetic rubber export numbers do not contain Schedule B Numbers 446.2000 (Reclaimed) and 446.3000 (Mixtures).

APPARENT CONSUMPTION: Figures are calculated by RMA by adding Beginning Stocks to Production and Imports, and subtracting Exports and Ending Stocks. The consumption figures for natural rubber contains International Natural Rubber Organization (INRO) stock purchases, since the amounts are not disclosed for ninety (90) days. The latest available stock figure is presented for your use should you wish to subtract it from the apparent consumption figure shown.

ENDING STOCKS: Figures are as reported to RMA with only the Butyl, Polyisoprene, Silicone, and Other Synthetic Elastomers containing an estimate based upon the US Government's MA30A annual report.

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